COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER 19603/447 (CRF D-1593B)

on and was amended under PCT Article 19

As a below named inventor, I hereby declare that:

the specification of which (check only one item below):

is attached hereto.

(if applicable).

[]

[X]

[]

My residence, post office address and citizenship are as stated below next to my name.

was filed as PCT International Application Number

(if applicable).

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

was filed as U.S. Patent Application Serial No. 09/440,523 on November 15, 1999 and was amended on

DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING COUPLED LIGASE DETECTION AND POLYMERASE CHAIN REACTIONS

I hereby state that I have reviewed and by any amendment referred to above.	understand the contents of the	above-identified specific	cations, including the claims, as amended
I acknowledge the duty to disclose info Code of Federal Regulations, § 1.56(a)	ormation which is material to t	he patentability of this ap	plication in accordance with Title 37,
certificate or of any PCT international a also identified below any foreign applie	application(s) designating at le cation(s) for patent or inventor ed States of America filed by	east one country other that 's certificate or any PCT	n application(s) for patent or inventor's n the United States listed below and have international application(s) designating natter having a filing date before that of
PRIOR FOREIGN/PCT APPLICATIO	N(S) AND ANY PRIORITY	CLAIMS UNDER 35 U.:	S.C. 119:
COUNTRY (IF PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
United States	60/018,532	29 MAY 1996	[X] YES[] NO
			[]YES[]NO
	72.000		[]YES[]NO
			Page 1 of 2

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continued) (Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER 19603/447 (CRF D-1593B)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35. United States Code. § 112. I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT International filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT

U.S. APPLICATIONS			STATUS (C	heck One)	
U.S. APPLICATION NUMBER 08/864,473		U.S. FILING DATE	PATENTED	PENDING	ABANDONED
		28 MAY 1997		х	
PCT API	PLICATIONS DESIGN	VATING THE U.S.			
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)			

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Michael L. Goldman, Registration No. 30,727, Gunnar G. Leinberg, Registration No. 35,584; Dennis M. Connolly, Registration No. 40,964; Edwin V. Merkel, Registration No. 40,087, Georgia Caton, Registration No. P-44,597

Sen		Michael L. Goldmar NIXON PEABODY Clinton Square, P.O Rochester, New Yor	LLP . Box 1051 k 14603	Direct telephone calls to: Michael L. Goldman (716) 263-1304
100	FULL NAME OF INVENTOR	FAMILY NAME Barany	FIRST GIVEN NAME Francis	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY New York	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP United States
April 445	POST OFFICE ADDRESS	P.O. ADDRESS 450 E. 63 rd Street, Apt. 12C	CITY New York	STATE & ZIP CODE/COUNTRY New York 10021/USA
	FULL NAME OF INVENTOR	FAMILY NAME Lubin	FIRST GIVEN NAME Matthew	SECOND GIVEN NAME
2 0 2	RESIDENCE & CITIZENSHIP	CITY Rye Brook	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	P.O. ADDRESS 20 Magnolia Drive	CITY Rye Brook	STATE & ZIP CODE/COUNTRY New York 10573-1820/USA
	FULL NAME OF INVENTOR	FAMILY NAME Belgrader	FIRST GIVEN NAME Phillip	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY Manteca	STATE/FOREIGN COUNTRY California	COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	P.O. ADDRESS 719 Pebble Way	CITY Manteca	STATE & ZIP CODE/COUNTRY California 95336/USA

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
DATE	DATE	DATE 1/29/00

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER 19603/447 (CRF D-1593B)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

names are listed below) of the subject	matter which is claimed and	for which a patent is sough	t on the invention entitled:
DETECTION OF NUCL DETEC	EIC ACID SEQUENC	E DIFFERENCES U ERASE CHAIN REA	SING COUPLED LIGASE CTIONS
the specification of which (check only	one item below):		
[] is attached hereto.			
[X] was filed as U.S. Patent A (if applicable).	pplication Serial No. 09/440,	523 on November 15, 199	9 and was amended on
[] was filed as PCT Internation(if application	onal Application Number able).	ona	and was amended under PCT Article 19
by anyjamendment referred to above.			ations, including the claims, as amended
I acknowledge the duty to disclose info Code of Federal Regulations, § 1.56(a)	rmation which is material to	the patentability of this ap	plication in accordance with Title 37,
certificate or of any PCT international a also identified below any foreign applic at least one country other than the Unit the application(s) of which priority is c	application(s) designating at cation(s) for patent or invente ed States of America filed by laimed:	least one country other that or's certificate or any PCT or me on the same subject m	n application(s) for patent or inventor's 1 the United States listed below and have international application(s) designating atter having a filing date before that of
PRIOR FOREIGN/PCT APPLICATIO	N(S) AND ANY PRIORITY		
COUNTRY (IF PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
United States	60/018,532	29 MAY 1996	[X] YES [] NO
			[]YES[]NO
C			[]YES[]NO
			[]YES[]NO
			[]YES[]NO

Page 1 of 2

COMBINED DISLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continued) (Includes Reference to PCT International Applications)

Michael I. Goldman

ATTORNEY'S DOCKET NUMBER 19603/447 (CRF D-1593B)

Direct telephone calls to:

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the nanner provided by the first paragraph of Title 35, United States Code, § 11.2, I acknowledge the duty to disclose a material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application(s) and the national ce FCT internation et filing date of the prior application(s) and the national ce FCT internation et filing date of this applications.

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

U.S. APPLICATIONS			STATUS (C		
U.S. APPLICATION NUMBER 08/864,473		U.S. FILING DATE	PATENTED	PENDING X	ABANDONED
		28 MAY 1997			
PCT API	PLICATIONS DESIG	ATING THE U.S.			
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)			
_					

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Michael L. Goldman, Registration No. 30,727, Gunnar G. Leinberg, Registration No. 35,584; Dennis M. Connolly, Registration No. 40,964; Edwin V. Merkel, Registration No. 40,087, Georgia Caton, Registration No. P-44,597

Serial Correspondence to.	NIXON PEABODY Clinton Square, P.O Rochester, New Yor	LLP . Box 1051	Michael L. Goldman (716) 263-1304
FULL NAME OF INVENTOR	FAMILY NAME Barany	FIRST GIVEN NAME Francis	SECOND GIVEN NAME
0 RESIDENCE & CITIZENSHIP	CITY New York	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP United States
POST OFFICE ADDRESS	P.O. ADDRESS 450 E. 63 rd Street, Apt. 12C	CITY New York	STATE & ZIP CODE/COUNTRY New York 10021/USA
FULL NAME OF INVENTOR	FAMILY NAME Lubin	FIRST GIVEN NAME Matthew	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY Rye Brook	STATE/FOREIGN COUNTRY New York	COUNTRY OF CITIZENSHIP United States
POST OFFICE ADDRESS	P.O. ADDRESS 20 Magnolia Drive	CITY Rye Brook	STATE & ZIP CODE/COUNTRY New York 10573-1820/USA
FULL NAME OF INVENTOR	FAMILY NAME Belgrader	FIRST GIVEN NAME Phillip	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY Manteca	STATE/FOREIGN COUNTRY California	COUNTRY OF CITIZENSHIP United States
POST OFFICE ADDRESS	P.O. ADDRESS 719 Pebble Way	CITY Manteca	STATE & ZIP CODE/COUNTRY California 95336/USA

I hereby declare that all statements made herein of my own knowledge are true and that all statements made he in information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements med made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
DATE	DATE 1/22/2000	DATE

Send:Correspondence to:

COMBINED DEC. RATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER 19603/447 (CRF D-1593B)

As a below named inventor, I hereby declare that:

the specification of which (check only one item below):

is attached hereto.

f 1

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING COUPLED LIGASE DETECTION AND POLYMERASE CHAIN REACTIONS

[X]	was filed as U.S. Patent Application Serial No. 09/440,523 on November 15, 1999 and was amended on(if applicable).							
[]	was filed as PCT Internation (if applica	onal Application Number ble).	on:	and was amended under PCT Article 19				
I heteby state that I have reviewed and understand the contents of the above-identified specifications, including the claims, as amended by any amendment referred to above.								
	I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).							
certificate also identif at least one	Thereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States listed below and have also dentified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:							
	REIGN/PCT APPLICATIO	N(S) AND ANY PRIORITY	CLAIMS UNDER 35 U.	S.C. 119:				
(IF P	COUNTRY CT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119				
	United States	60/018,532	29 MAY 1996	[X] YES [] NO				
				[]YES[]NO				
				[]YES[]NO				
				[]YES[]NO				
				[]YES[]NO				
				[]YES[]NO				
				[]YES[]NO				
				[]YES[]NO				
				Page 1 of 2				

COMBINED DEC RATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continued) (Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER 19603/447 (CRF D-1593B)

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PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

			STATUS (Check One)		
U.S. APPLICATION NUMBER 08/864,473		U.S. FILING DATE 28 MAY 1997		PENDING	ABANDONED
				х	
CATIONS DESIGN	NATING THE U.	S.			
PCT ILING DATE					
3	ATIONS DESIGN	ATIONS DESIGNATING THE U. PCT U.S. SERIA	28 MAY 1997 ATIONS DESIGNATING THE U.S. PCT U.S. SERIAL NUMBERS	28 MAY 1997 ATIONS DESIGNATING THE U.S. PCT U.S. SERIAL NUMBERS	ATIONS DESIGNATING THE U.S. PCT U.S. SERIAL NUMBERS

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Sen	Correspondence to:	Michael L. Goldman NIXON PEABODY Clinton Square, P.O. Rochester, New Yorl	LLP . Box 1051	Direct telephone calls to: Michael L. Goldman (716) 263-1304	
JII	FULL NAME OF INVENTOR	FAMILY NAME Barany	FIRST GIVEN NAME Francis	SECOND GIVEN NAME	
0	RESIDENCE & CITIZENSHIP	CITY New York	STATE/FOREIGN COUNTRY New York	United States	
	POST OFFICE ADDRESS	P.O. ADDRESS 450 E. 63 rd Street, Apt. 12C	CITY New York	STATE & ZIP CODE/COUNTRY New York 10021/USA	
	FULL NAME OF INVENTOR	FAMILY NAME Lubin	FIRST GIVEN NAME Matthew	SECOND GIVEN NAME	
2 0 2	RESIDENCE & CITIZENSHIP	CITY Rye Brook	STATE/FOREIGN COUNTRY New York	Y COUNTRY OF CITIZENSHIP United States	
	POST OFFICE ADDRESS	P.O. ADDRESS 20 Magnolia Drive	CITY Rye Brook	STATE & ZIP CODE/COUNTRY New York 10573-1820/USA	
	FULL NAME OF INVENTOR	FAMILY NAME Belgrader	FIRST GIVEN NAME Phillip	SECOND GIVEN NAME	
2 0 3	RESIDENCE & CITIZENSHIP	CITY Manteca	STATE/FOREIGN COUNTRY California	Y COUNTRY OF CITIZENSHIP United States	
-	POST OFFICE ADDRESS	P.O. ADDRESS 719 Pebble Way	CITY Manteca	STATE & ZIP CODE/COUNTRY California 95336/USA	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willfulf false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willfulf false statements may jeopardize the validity of the application or any patent issuing thereon.

11 71		
SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
a. F. Barany		
DATE 1/26/90	DATE	DATE